

HEPA Filter Bank Fire

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September 24, 2002

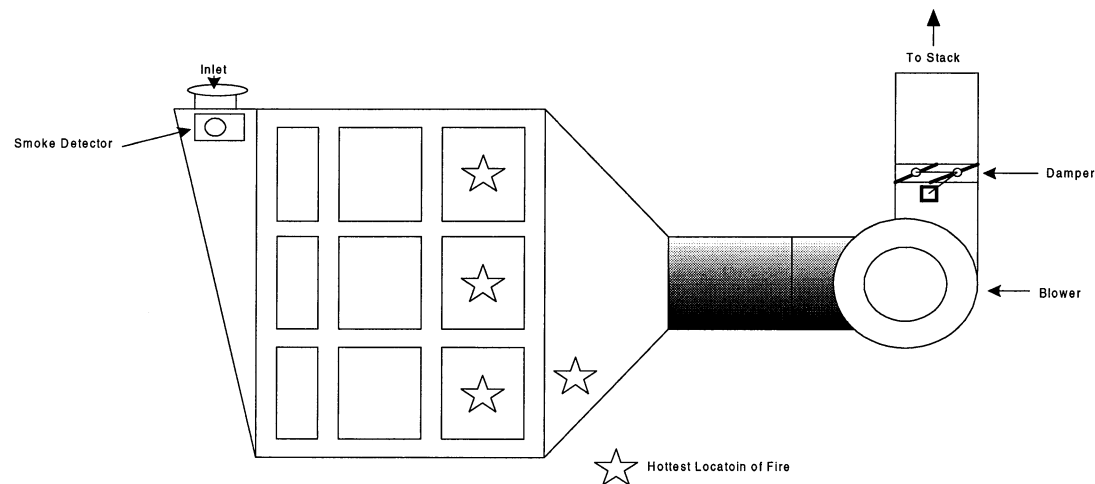
Event Summary

- A small fire was detected at 9:27 AM on June 20, 2002 by the automated plant alarm system
- A site "Alert" was declared at 9:50 AM
- State and federal regulatory agencies notified
- On-site emergency response personnel contained and extinguished the small fire
- The site "Alert" was terminated at 11:35 AM

Off-site emergency agencies responded as backup to plant personnel.

Filter Bank Housing

The fire was in a filter bank housing located in an isolated room containing ventilation equipment



Stainless steel housing containing 18 filters.

Cause of Fire

- Filters are UL Class 2 -- Fire Resistant
- Filter bank involved in fire services a number of pieces of equipment including the ash hopper from incinerator
- “Fuel” for the fire was incomplete combustion byproducts deposited on the filters
 - Analogous to a chimney fire in a fireplace

Formal Root Cause Analysis performed on event

Consequences of Fire

- No personnel injured
- No personnel received increased dose of Uranium
- No damage to plant property except for filter housing
- Small increase in emissions from the exhaust stack for the filter bank involved in the fire
 - Very small fraction of the allowed regulatory limits
 - Extensive environmental sampling conducted

Effects of the fire contained to ventilation

Corrective Actions

- Filter housing replaced
- Flue pipe from ash hopper rerouted to a wet scrubber system
- Procedure change
- Analyzed other ventilation systems to ensure no similar conditions

Source of fuel for fire eliminated